

Statement of Work

Recertification of Compressed Gas Tube Trailers

1.0 DESCRIPTION OF REQUIREMENT: The Contractor shall be a DOT authorized re-tester provide to provide proof of DOT Certification, all supplies, management, tools, equipment, labor, and related ancillary services such as transportation, cylinder recertification, replacement of faulty gauges, corrosion repair, and inspection of trailer to ensure that assigned equipment is brought to and or maintained to a safe, serviceable and roadworthy condition. The tube trailers are used in support of various Air Force Research Laboratory, Aerospace Systems Directorate (AFRL/RQ) research and development missions.

2.1 APPLICABLE DOCUMENTS: The following documents are to be in compliance with the most current publication/edition on date of request.

2.2 Department of Transportation (DOT), Title 49, Code of Federal Regulations (49CFR) Parts 100-199

2.3 American Society of Mechanical Engineers (ASME) Code for Pressure Piping, B31

2.4 Applicable CGA publications including but not limited to C-1, C-6, C-18, C-20, G-4.1, G-10.1, S-1.1, V-1

2.5 American Society for Testing Materials, ASTM D1193-6, Standard Specification for Reagent Water

2.6 Mil-PRF-27401G, Propellant Pressurizing Agent, Nitrogen dated 7-Aug-13

3.1 A 60-day turn around period starting from the day the trailer is received at the Contractor site is required. AFRL/RQ reserves the right to require a 30- calendar day turn around period without increased cost per trailer. In this case, the Contractor will be given two calendar weeks prior notification.

4.1 TRAILER SHIPMENT: The Contractor is responsible for transportation of the trailer from AFRL/RQ to the Contractor facility and return to AFRL/RQ. The trailer shall be transported in accordance with (IAW) all Federal, State, Local regulation. The Contractor shall be liable for any damage to the trailer and all expenses incurred during transportation.

4.1.1 Hours for receipt and delivery at AFRL/RQ are 8:00 am to 3:30 pm Monday-Friday, except Government Holidays. Each trailer shall be shipped from and received at the location specified by AFRL/RQ shipping personnel.
POC's ph no 937-255-4230, 937-255-5804

4.1.2 The Contractor shall notify AFRL/RQ by phone or email at least three days prior to the return of the trailer. POC's ph no 937-255-4230, 937-255-5804

5.0 TRAILER RECERTIFICATION:

5.1 Trailers shall be recertified by either the hydrostatic or acoustic emissions testing method or the ultrasonic examination method. If Contractor intends to offer acoustic emissions line item, they must submit a copy of their DOT special permit showing the method by which the trailer will be tested. Trailers shall be recertified IAW all applicable regulations listed in 2.1 Applicable Documents.

8.1 INSTALLATION OF PRESSURE GAUGE: The Contractor shall furnish and install a pressure gauge with an isolation valve. The pressure gauge shall be identified per trailer and have a range of no less than 0-3000 psi and no more than 0-4000 psi with a 4" to 5" dial on each manifold.

9.1 MARKING AND TRAILER NAME PLATE

9.2 The trailer shall be re-stenciled on each side and each end with the type of gas contained within the cylinders and shall include placards IAW 49 CFR.

9.3 In addition to the existing name plate, a permanent aluminum, brass, bronze or stainless steel nameplate shall be mounted inside the rear cabinet displaying the following information:

9.3.1 Record of serial numbers of all cylinders

9.3.2 Date of test and retest pressure

9.3.3 Name of Contractor

9.3.4 Total nominal water volume of trailer

9.3.5 Maximum service pressure

9.3.6 Date of thread and flange inspection

10.1 TESTING RECORDS AND FINAL TEST REPORTS: The Contractor shall record and report the following to AFRL/RQ:

10.2 The percentage of permanent expansion versus total expansion of each cylinder for each trailer hydrostatically tested.

10.3 Each cylinder passing 5/3 times the maximum allowable working pressure test shall be plainly and permanently metal stamped with the month and year of the test per 49 CFR requirements.

10.4 The Contractor shall maintain and provide to the Government, records of all inspections and tests performed. The records shall provide evidence that the required inspections and tests have been performed, including part or component identification and inspection or test involved.

10.4.1 The report shall show cylinder serial number, the test data obtained during the test and the results of the test made on each cylinder. Included shall be a statement on Contractors dated letterhead that the Assembly, identified by serial number has been visually inspected IAW the Compressed Gas association Publication C-6 and tested and recertified IAW 49 CFR.